

ELQ-596

## Chemical Properties

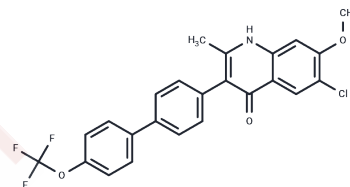
CAS No. : 3023709-98-7

Formula: C<sub>24</sub>H<sub>17</sub>ClF<sub>3</sub>NO<sub>3</sub>

Molecular Weight: 459.84

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ELQ-596, a quinolone derivative, exhibits antimicrobial activity against several protozoan parasites, including the intraerythrocytic parasites Plasmodium and Babesia. ELQ-596 attenuates babesiosis in immunosuppressed mice [1].
Targets(IC50)	Parasite
In vitro	ELQ-596 (1 nM-1 μM, 62 h) inhibits the growth of B. duncani parasites with an IC <sub>50</sub> of 32 nM and demonstrates low toxicity to human cell lines HeLa, HepG2, HEK293, and HCT116, with an average IC <sub>50</sub> of 30 μM [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1747 mL	10.8733 mL	21.7467 mL
5 mM	0.4349 mL	2.1747 mL	4.3493 mL
10 mM	0.2175 mL	1.0873 mL	2.1747 mL
50 mM	0.0435 mL	0.2175 mL	0.4349 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481